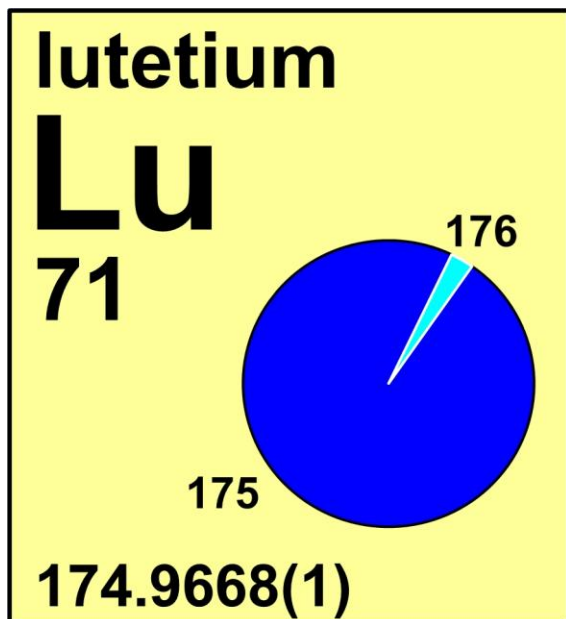


Lutetium

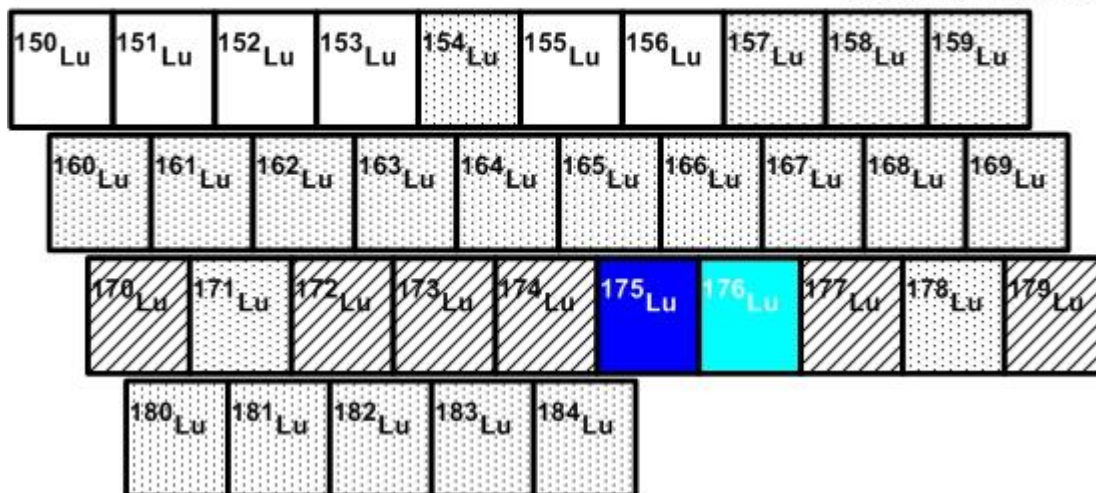


Stable isotope	Atomic mass*	Mole fraction
^{175}Lu	174.940 7718	0.9741
^{176}Lu	175.942 6863	0.0259

* Atomic mass given in unified atomic mass units, u.

Half-life of radioactive isotope

Less than 1 second
Between 1 second and 1 hour
Greater than 1 hour



Important applications of stable and/or radioactive isotopes

Isotopes in medicine

- 1) ^{176}Lu is used in labeling experiments to quantify absolute protein abundance and examine the extent of protein synthesis under specific biological conditions.